



# StraTopo

Supporting a Smart Society



# STORYLINE



About  
StraTopo



Our  
Product



Collaboration  
Opportunities



Spotlight:  
Mobility  
simulation model



# OUR TEAM



**Thijs Smits**

Senior Software Engineer



**Sven Reulen**

Geo - IT, CEO



**Shan Shah**

Senior Geo data Scientist



**Marta Jastrzebowska**

Marketing and Communication

## Advisors



**Niels van Reijmersdal**

Facilitator/ Coach



**Piet Stevens**

Turnaround Specialist/Coach



**Paul Crutzen**

Serial entrepreneur



**Hui Li**

Information, Management  
& Business



**Judith Tanta**

Graphic Design



# Collaboratively solving society's spatial challenges with technology



StraTopo provides unique data insights based on geographic data (models) and offers customized geo informatic expertise



# Solution: StraTopo

We support **Spatial Consultancies** and **Geo Portals** by providing:

Customized Geo Data  
& Geo Software



StraTopo API





# Isochrones



# Area Development Scan

Draw a shape

Choose Statistics

Download Result

The screenshot displays the StraTopo | Area Development API interface in three stages of use. The interface includes a map, a sidebar with statistics options, and a results panel.

**Stage 1: Drawing a shape**  
The user has drawn a blue polygon on the map. The sidebar shows the "Selected area" and "Statistics" sections. The "Statistics" section has three options: "Demography" (checked), "Real Estate + Demography" (checked), and "Energy labels + Real estate" (unchecked). Below the statistics are buttons for "CALCULATE STATISTICS" and "RESET SHAPES".

**Stage 2: Choosing Statistics**  
The user has selected the "CALCULATE STATISTICS" button. The results panel is now visible, showing a list of statistics for the selected area. The results are organized into a table with columns for "Name" and "Value".

**Stage 3: Downloading Result**  
The user has clicked the "DOWNLOAD" button. The results panel is now displayed in a modal window, showing the same list of statistics. A mouse cursor is pointing at the "DOWNLOAD" button.

Name	Value
Area	1234567890
Perimeter	1234567890
Area	1234567890
Perimeter	1234567890
Area	1234567890
Perimeter	1234567890
Area	1234567890
Perimeter	1234567890
Area	1234567890
Perimeter	1234567890



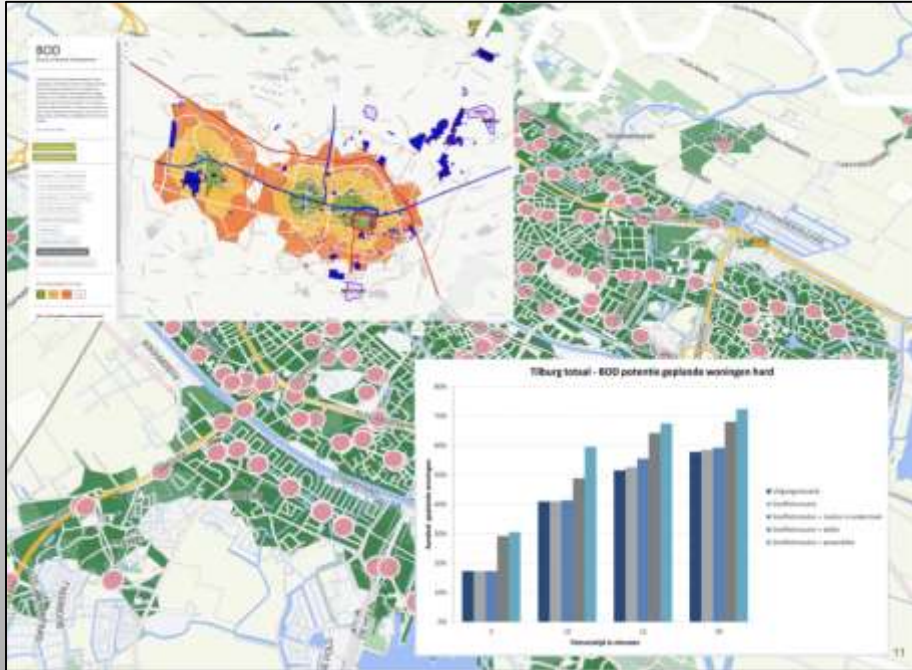




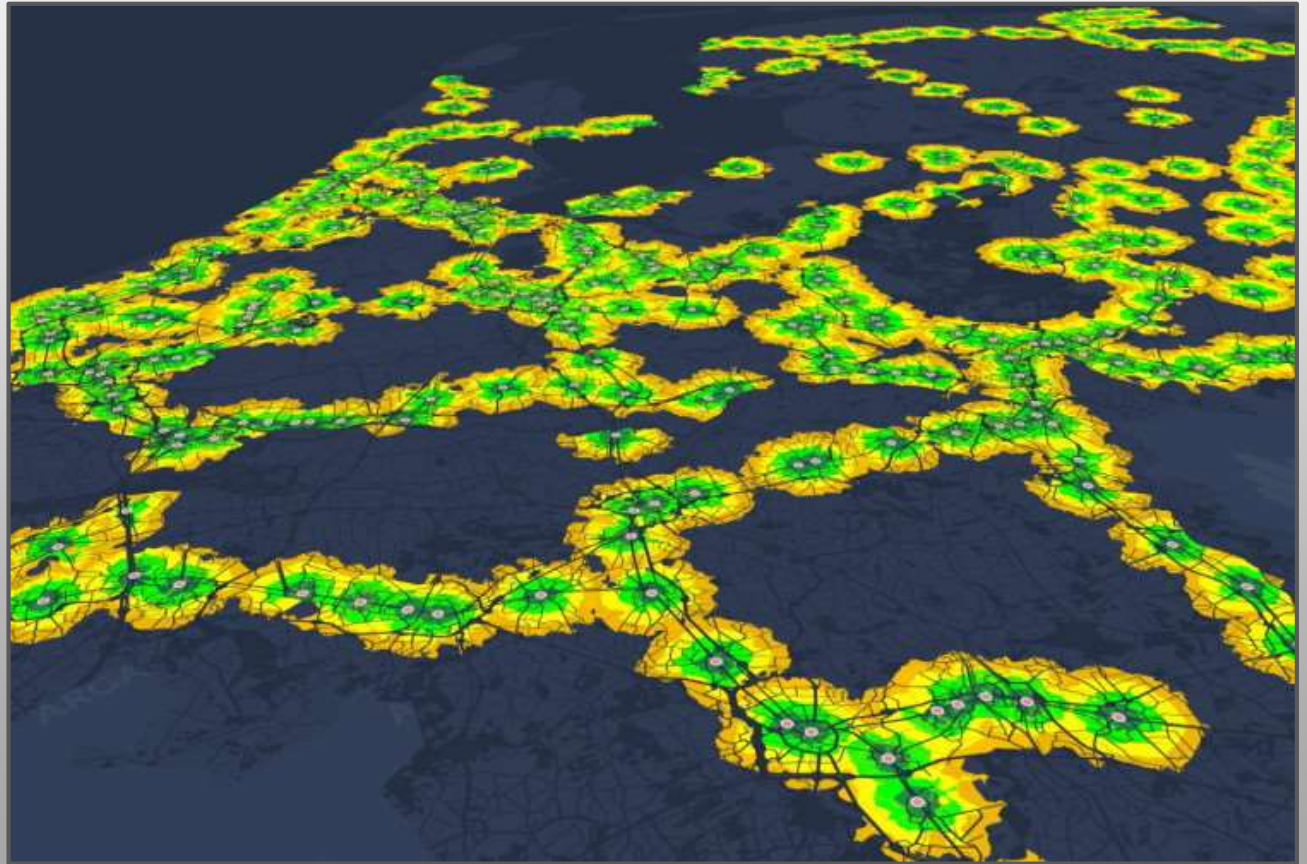
A program through which Stantec helps municipalities to make the physical living environment of residential areas future-proof.

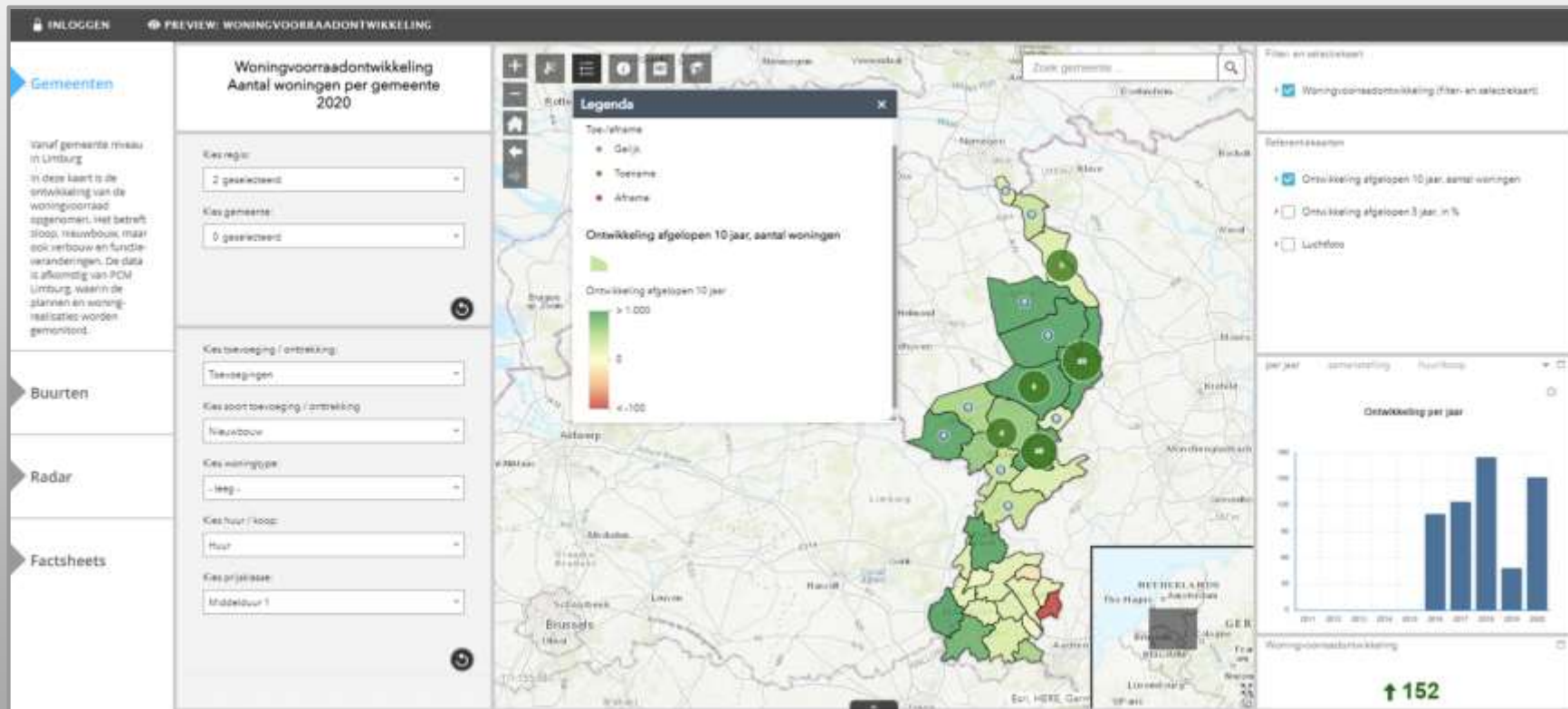
An integrated approach to physical themes and program management in one program.





Two-third of the Dutch population lives within **15 minutes** of cycling from the train station.





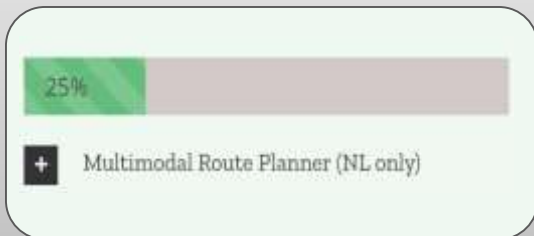
# Participating in StraTopo's data platform



Innovate



Invest



# Collaboration

Subscriptions of existing API



Customization of API



# Upcoming: Geo-Factor Based Housing Valuation Model

StraTopo trains AI models to provide insight in what geospatial factors has what predictive factor.

## GeoSpatial Factors:

- distance to city center,
- facility accessibility score,
- distance to freeway,
- bike reachability,
- coolness available in environment.



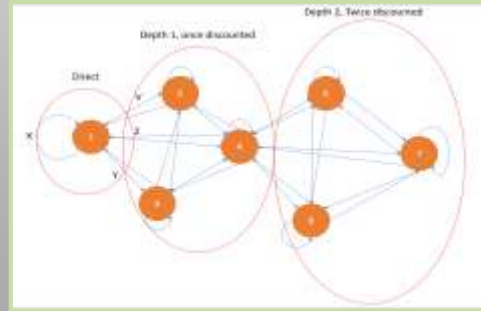
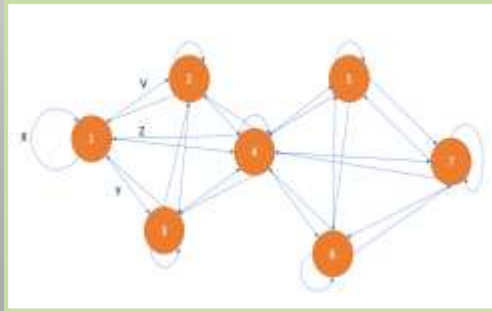
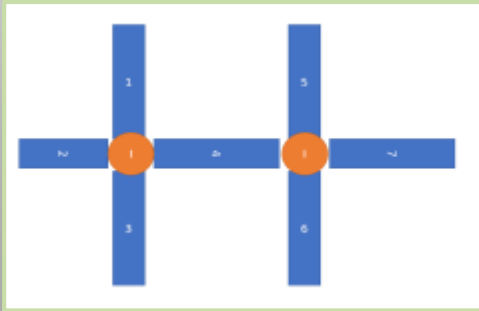
**Results in:** predictive factor geospatial data to housing price, housing valuation,





# Upcoming: Experimental AI-based Mobility Simulation Model

Predict mobility insights based on environmental data related to measured counts of passed bikes, walkers, cars or busses.



**Results in:** estimate of CO2 emission, congestion, intensities, effects of spatial changes.





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1.

City planners cannot determine the **impact** of their decisions on the **environment**



2.

StraTopo's **multimodal** traffic simulation provides a **measurable** and realistic environmental impact estimation



3.

City planner can make **informed** decisions which are **in line with** their prioritization of CO2 emission problem



# Intensity maps



# With the interactive mapping of intensities you can:

- Determine the **multimodal mobility effect** of spatial changes like a
  - Mobility hub
  - High speed bike way
  - Building real estate
- Multimodal mobility effects:
  - Estimate of CO<sub>2</sub> emission
  - Plan road maintenance
  - Insight in reachability
  - Insight in congestion





# StraTopo

Supporting a Smart Society

